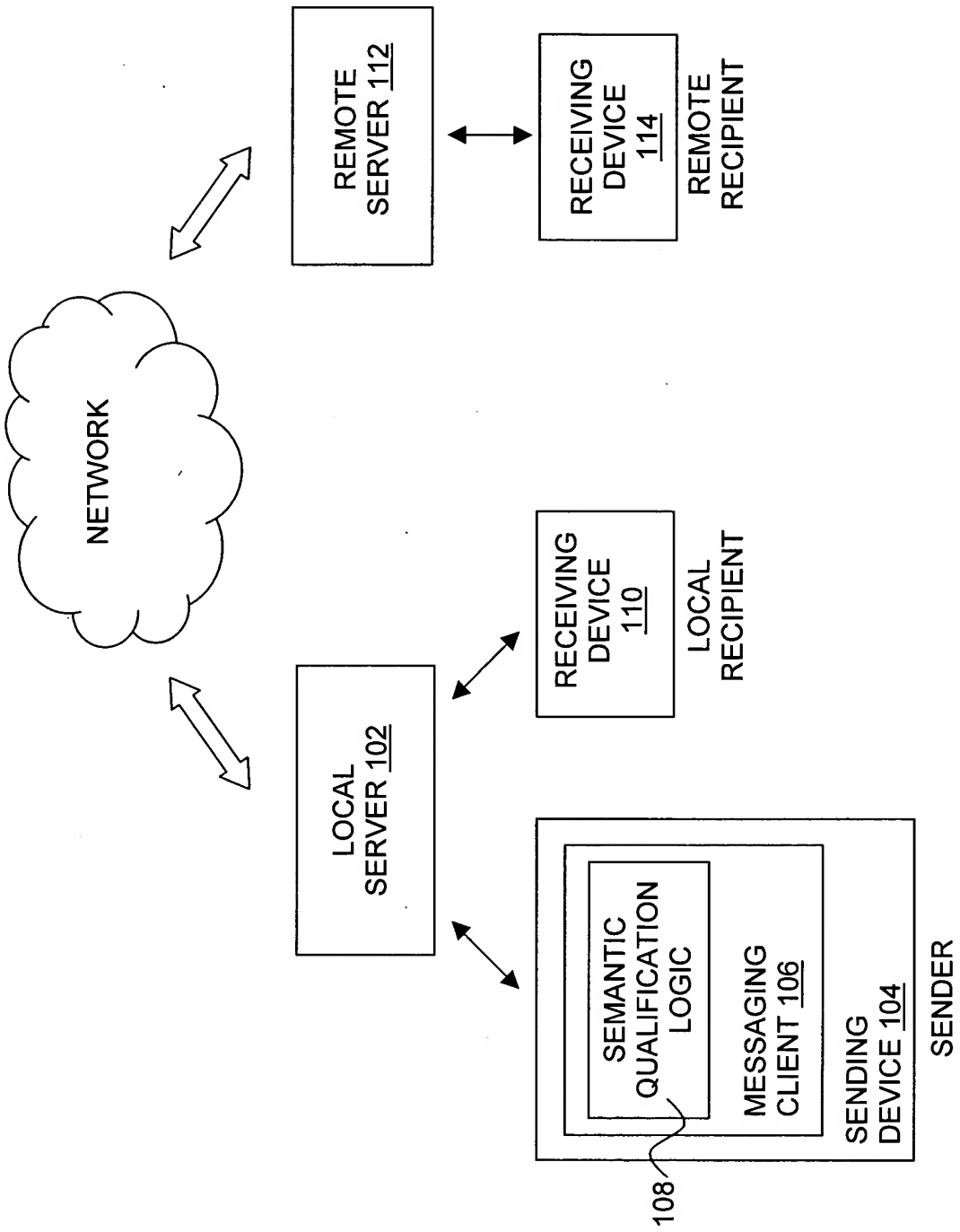
REMOTE SERVER 112
RECEIVING DEVICE 114
REMOTE RECIPIENT
NETWORK
LOCAL SERVER 102
RECEIVING DEVICE 110
LOCAL RECIPIENT
SEMANTIC QUALIFICATION LOGIC
MESSAGING CLIENT 106
SENDING DEVICE 104
SENDER
108

Figure 1

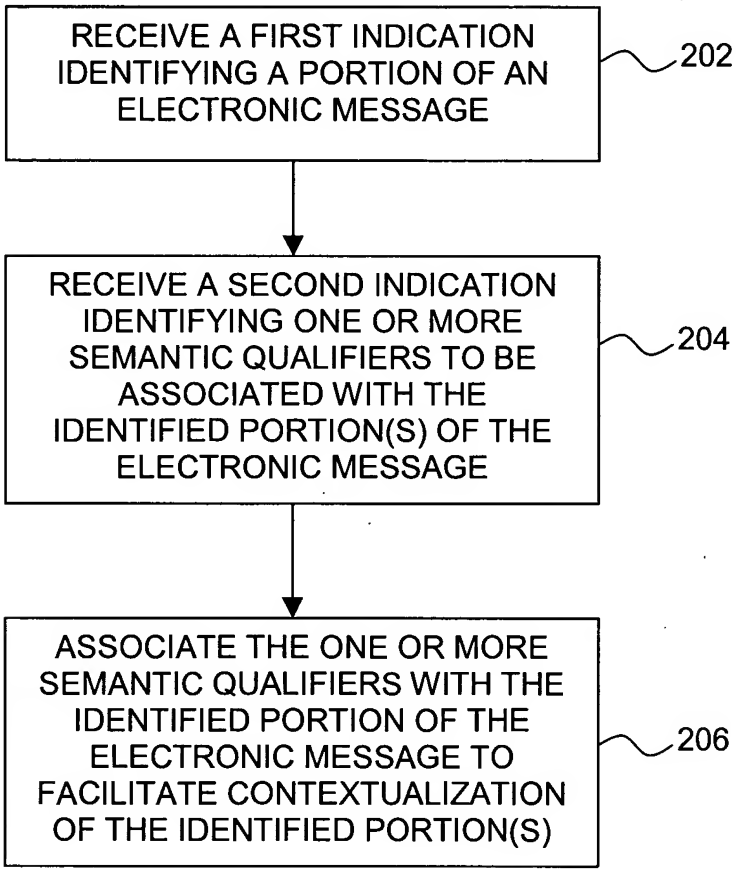
RECEIVE A FIRST INDICATION IDENTIFYING A PORTION OF AN ELECTRONIC MESSAGE
202
RECEIVE A SECOND INDICATION IDENTIFYING ONE OR MORE SEMANTIC QUALIFIERS TO BE ASSOCIATED WITH THE IDENTIFIED PORTION(S) OF THE ELECTRONIC MESSAGE
204
ASSOCIATE THE ONE OR MORE SEMANTIC QUALIFIERS WITH THE IDENTIFIED PORTION OF THE ELECTRONIC MESSAGE TO FACILITATE CONTEXTUALIZATION OF THE IDENTIFIED PORTION(S)
206

Figure 2

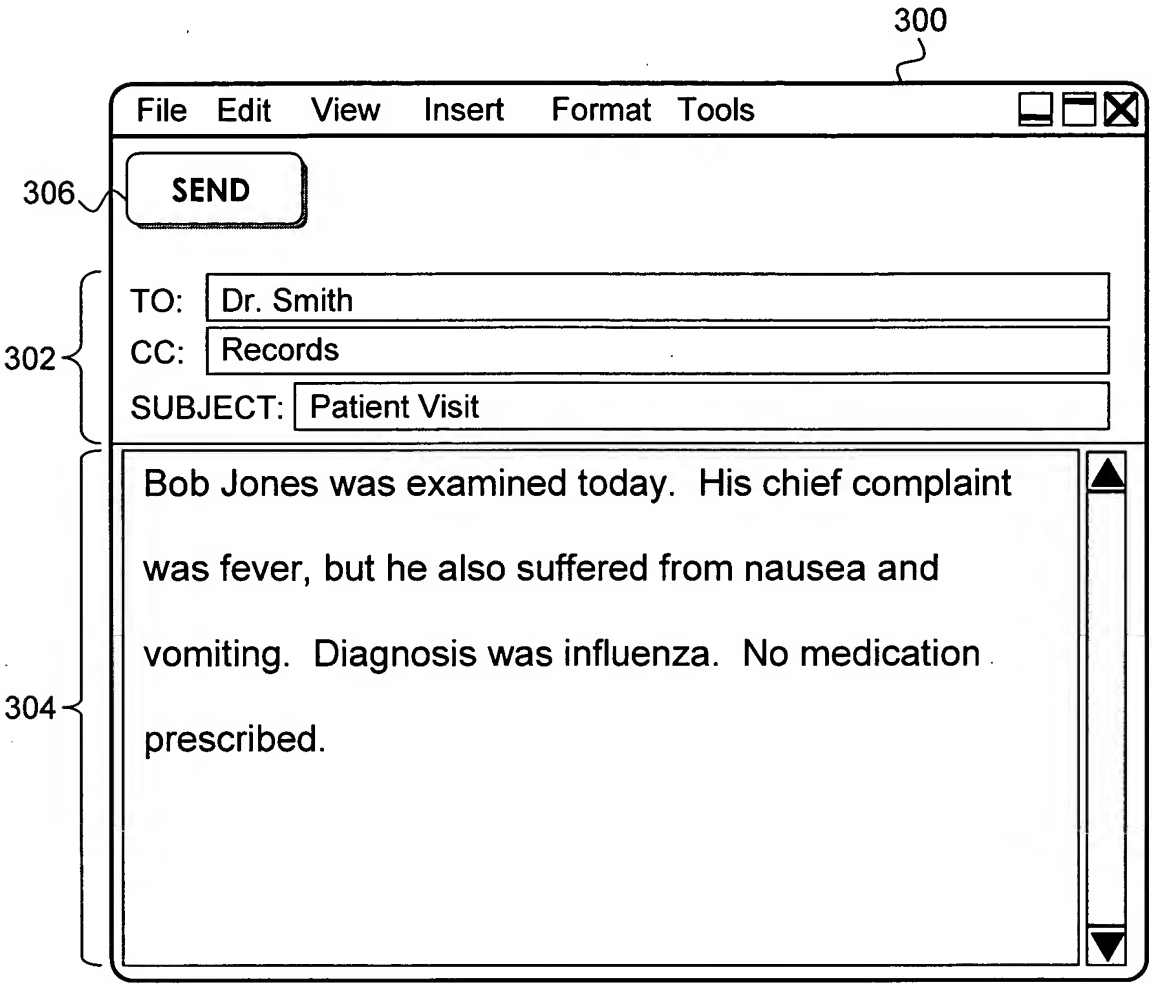
300
File Edit View Insert Format Tools
306
SEND
TO: Dr. Smith
CC: Records
SUBJECT: Patient Visit
302
Bob Jones was examined today. His chief complaint was fever, but he also suffered from nausea and vomiting. Diagnosis was influenza. No medication prescribed.
304

Figure 3

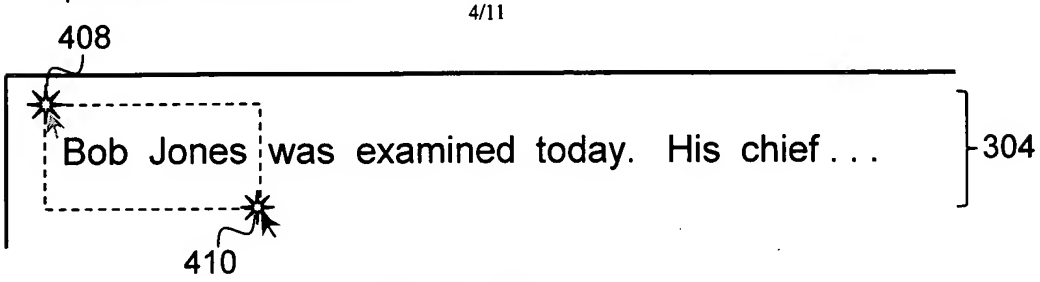

Figure 4a

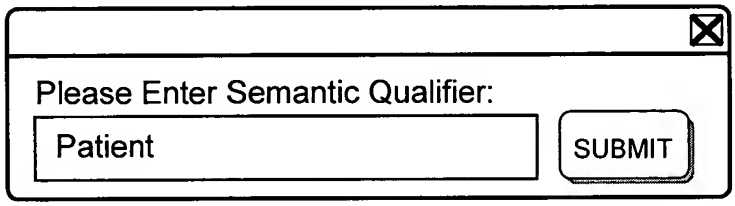

Figure 4b

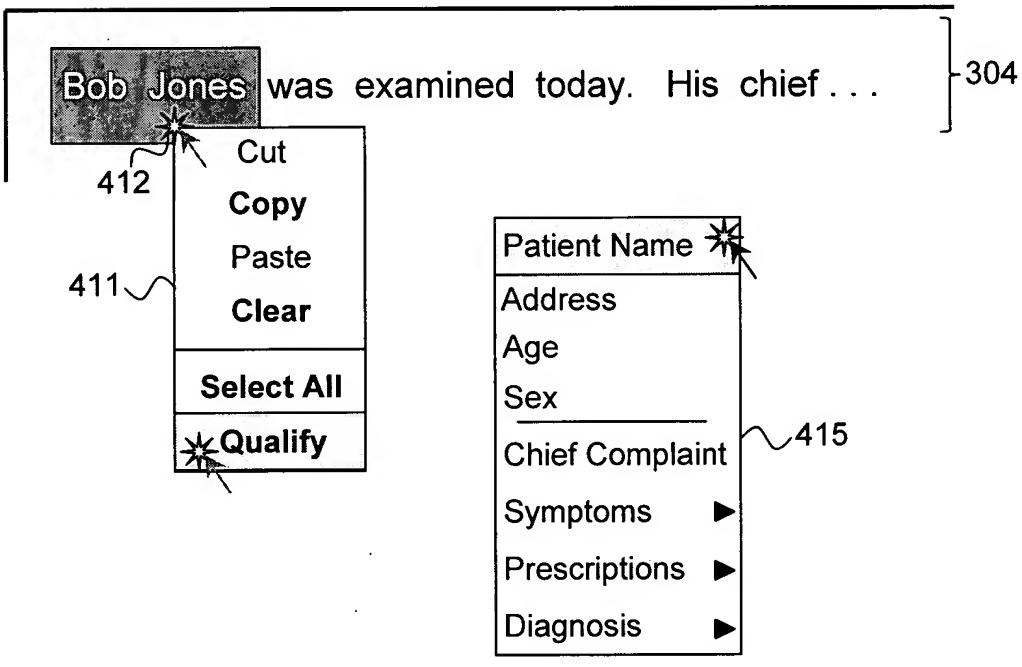

Figure 4c

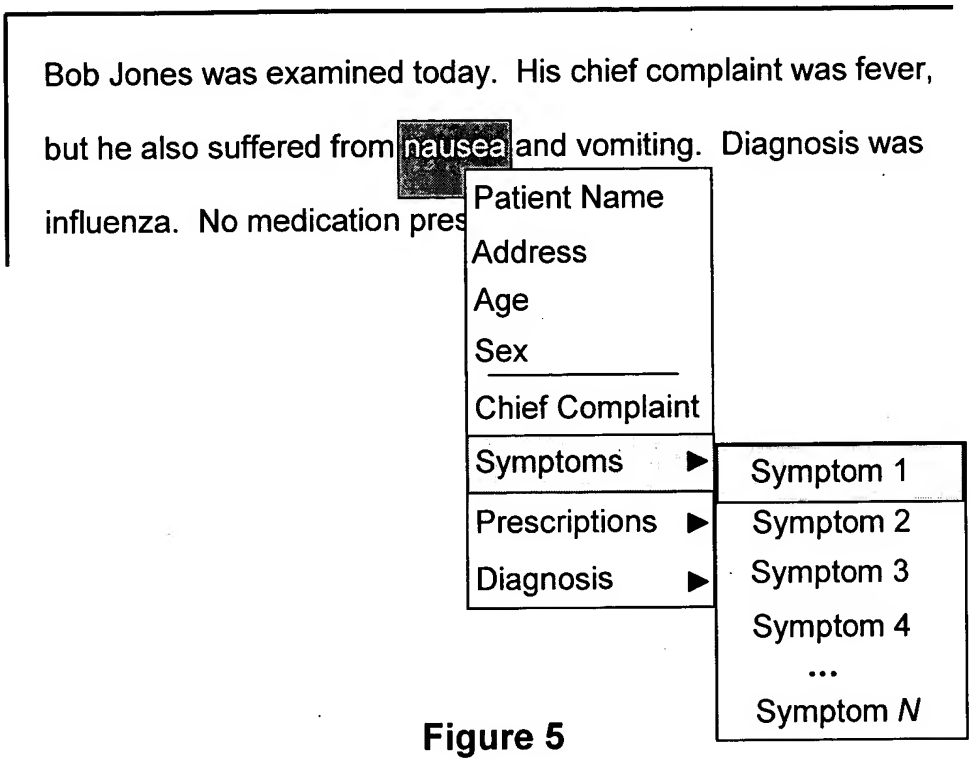
Bob Jones was examined today. His chief complaint was fever,
but he also suffered from nausea and vomiting. Diagnosis was
influenza. No medication pres
Patient Name
Address
Age
Sex
Chief Complaint
Symptoms
Prescriptions
Diagnosis
Symptom 1
Symptom 2
Symptom 3
Symptom 4
...
Symptom N

Figure 5

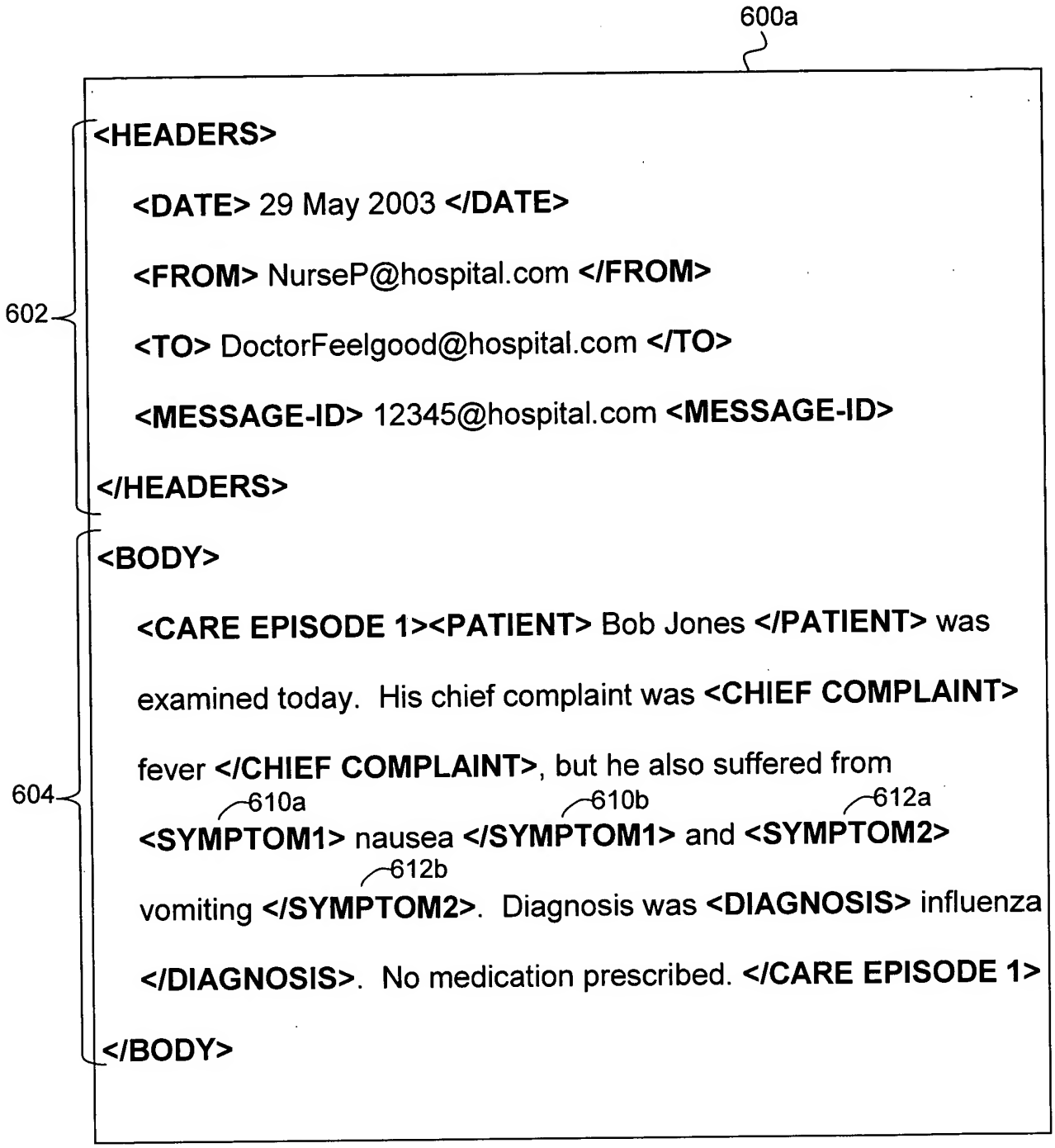
600a
602
604
610a
610b
612a
612b
<HEADERS>
<DATE> 29 May 2003 </DATE>
<FROM> NurseP@hospital.com </FROM>
<TO> DoctorFeelgood@hospital.com </TO>
<MESSAGE-ID> 12345@hospital.com <MESSAGE-ID>
</HEADERS>
<BODY>
<CARE EPISODE 1><PATIENT> Bob Jones </PATIENT> was
examined today. His chief complaint was <CHIEF COMPLAINT>
fever </CHIEF COMPLAINT>, but he also suffered from
<SYMPTOM1> nausea </SYMPTOM1> and <SYMPTOM2>
vomiting </SYMPTOM2>. Diagnosis was <DIAGNOSIS> influenza
</DIAGNOSIS>. No medication prescribed. </CARE EPISODE 1>
</BODY>

Figure 6a

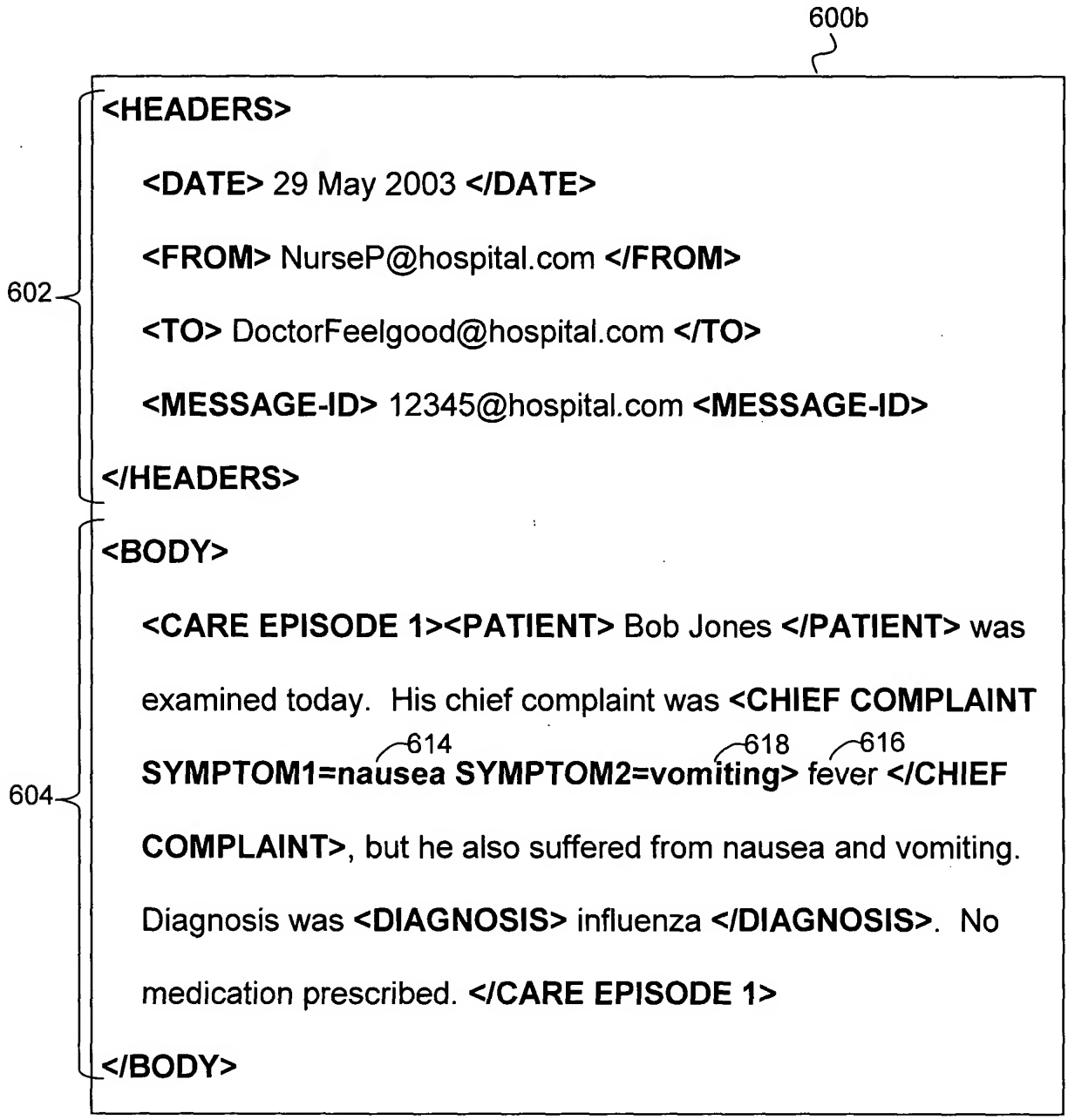
600b
<HEADERS>
<DATE> 29 May 2003 </DATE>
<FROM> NurseP@hospital.com </FROM>
602
<TO> DoctorFeelgood@hospital.com </TO>
<MESSAGE-ID> 12345@hospital.com <MESSAGE-ID>
</HEADERS>
<BODY>
<CARE EPISODE 1><PATIENT> Bob Jones </PATIENT> was
examined today. His chief complaint was <CHIEF COMPLAINT
614
618
616
SYMPTOM1=nausea SYMPTOM2=vomiting> fever </CHIEF
604
COMPLAINT>, but he also suffered from nausea and vomiting.
Diagnosis was <DIAGNOSIS> influenza </DIAGNOSIS>. No
medication prescribed. </CARE EPISODE 1>
</BODY>

Figure 6b

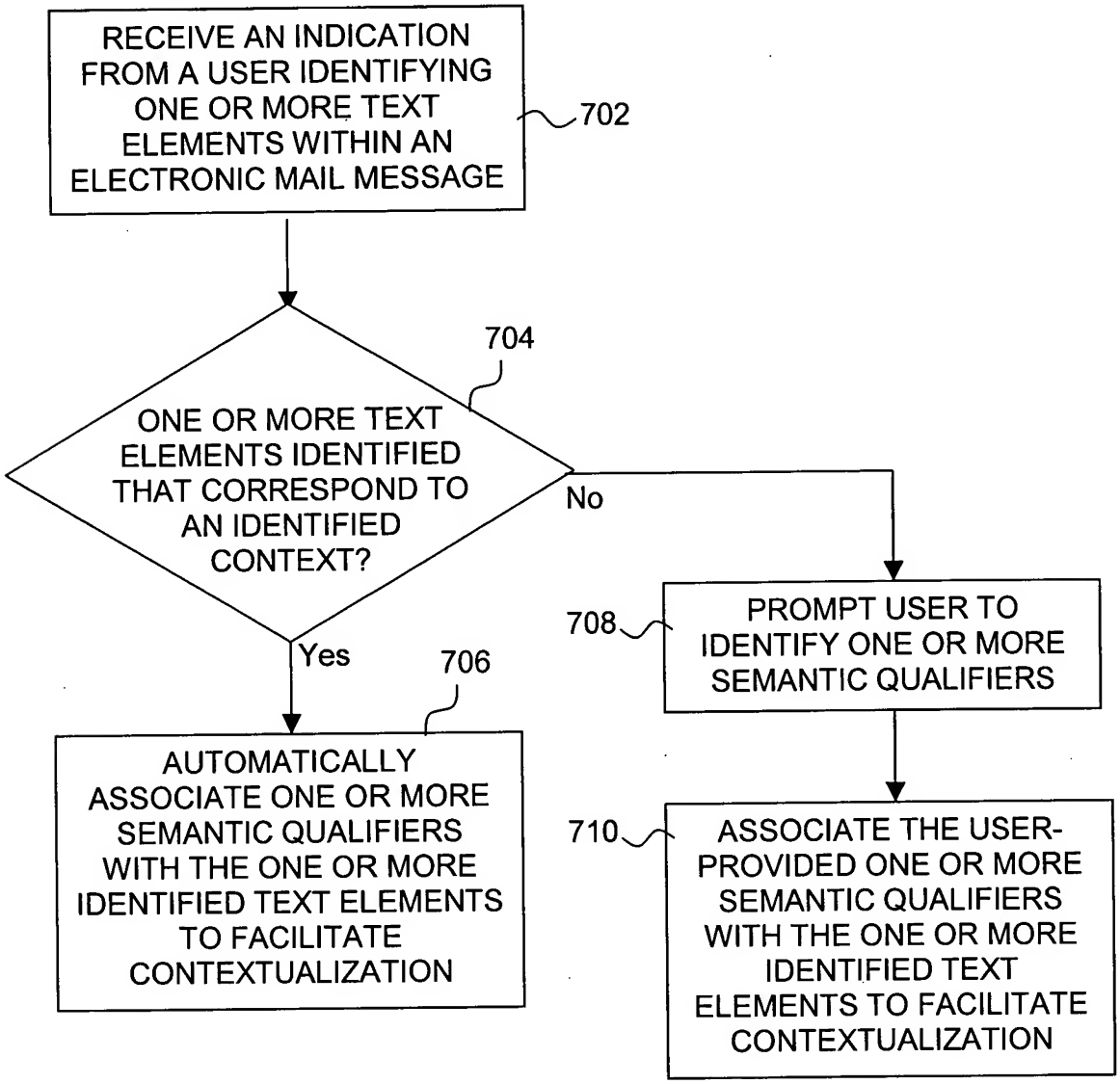
RECEIVE AN INDICATION FROM A USER IDENTIFYING ONE OR MORE TEXT ELEMENTS WITHIN AN ELECTRONIC MAIL MESSAGE
702
704
ONE OR MORE TEXT ELEMENTS IDENTIFIED THAT CORRESPOND TO AN IDENTIFIED CONTEXT?
No
Yes
706
AUTOMATICALLY ASSOCIATE ONE OR MORE SEMANTIC QUALIFIERS WITH THE ONE OR MORE IDENTIFIED TEXT ELEMENTS TO FACILITATE CONTEXTUALIZATION
708
PROMPT USER TO IDENTIFY ONE OR MORE SEMANTIC QUALIFIERS
710
ASSOCIATE THE USER-PROVIDED ONE OR MORE SEMANTIC QUALIFIERS WITH THE ONE OR MORE IDENTIFIED TEXT ELEMENTS TO FACILITATE CONTEXTUALIZATION

Figure 7

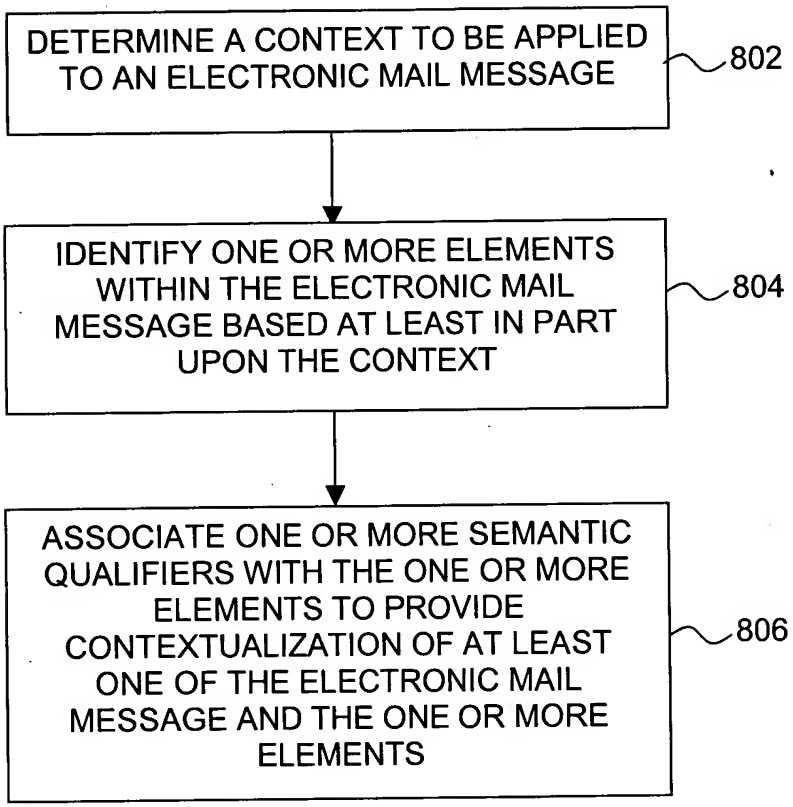
DETERMINE A CONTEXT TO BE APPLIED TO AN ELECTRONIC MAIL MESSAGE
802
IDENTIFY ONE OR MORE ELEMENTS WITHIN THE ELECTRONIC MAIL MESSAGE BASED AT LEAST IN PART UPON THE CONTEXT
804
ASSOCIATE ONE OR MORE SEMANTIC QUALIFIERS WITH THE ONE OR MORE ELEMENTS TO PROVIDE CONTEXTUALIZATION OF AT LEAST ONE OF THE ELECTRONIC MAIL MESSAGE AND THE ONE OR MORE ELEMENTS
806

Figure 8

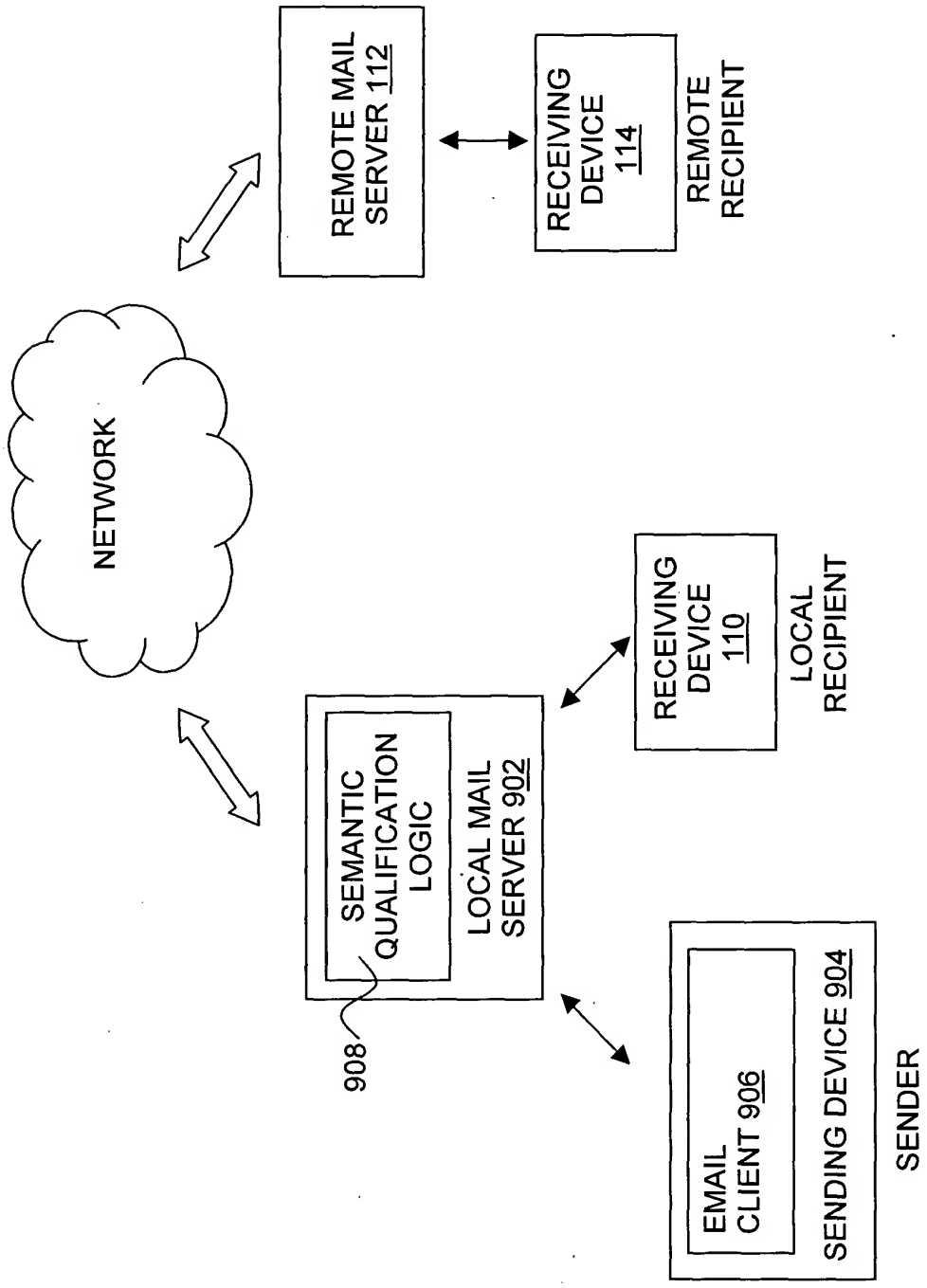
REMOTE MAIL SERVER 112
RECEIVING DEVICE 114
REMOTE RECIPIENT
NETWORK
RECEIVING DEVICE 110
LOCAL RECIPIENT
SEMANTIC QUALIFICATION LOGIC
LOCAL MAIL SERVER 902
908
EMAIL CLIENT 906
SENDING DEVICE 904
SENDER

Figure 9

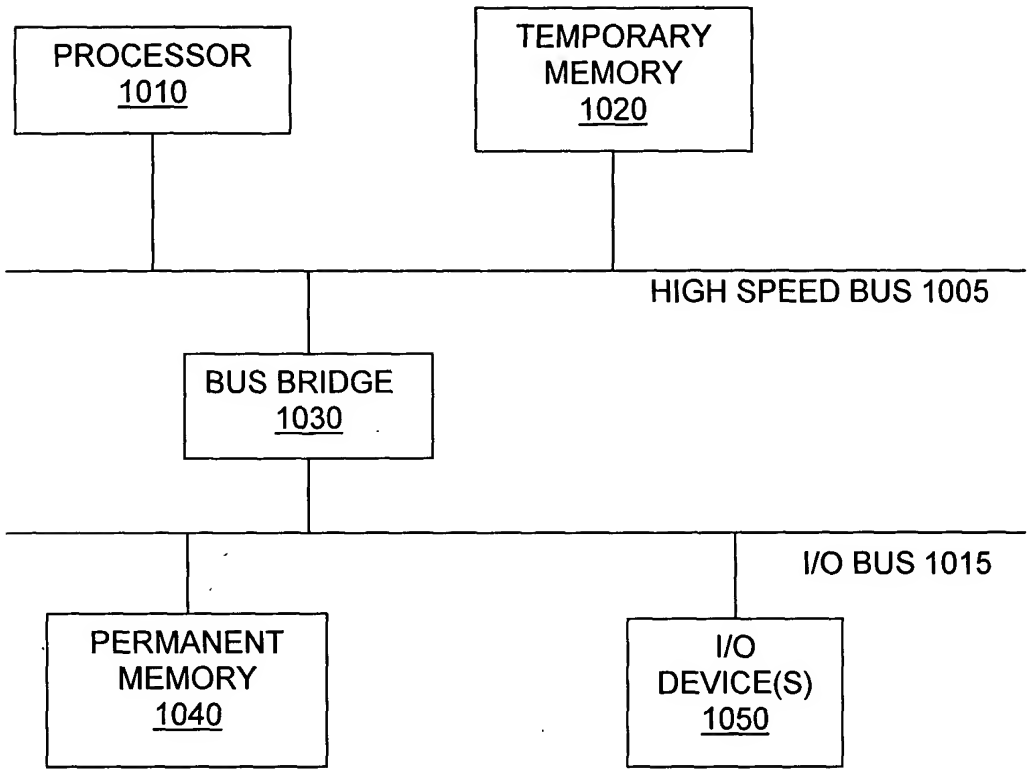

Figure 10

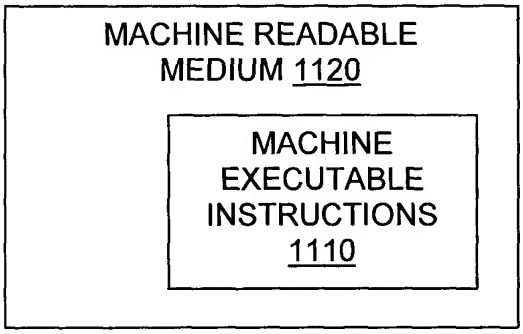

Figure 11